



Department of Navy Environmental Restoration Program RPM Training METRICS AND DATA QUALITY

MISSION

Environmental Restoration delivers sustainable, innovative, cost effective remediation solutions with stakeholder engagement, to protect human health and the environment, maintain regulatory compliance, and maximize reuse of DON assets to support the warfighter.

VISION

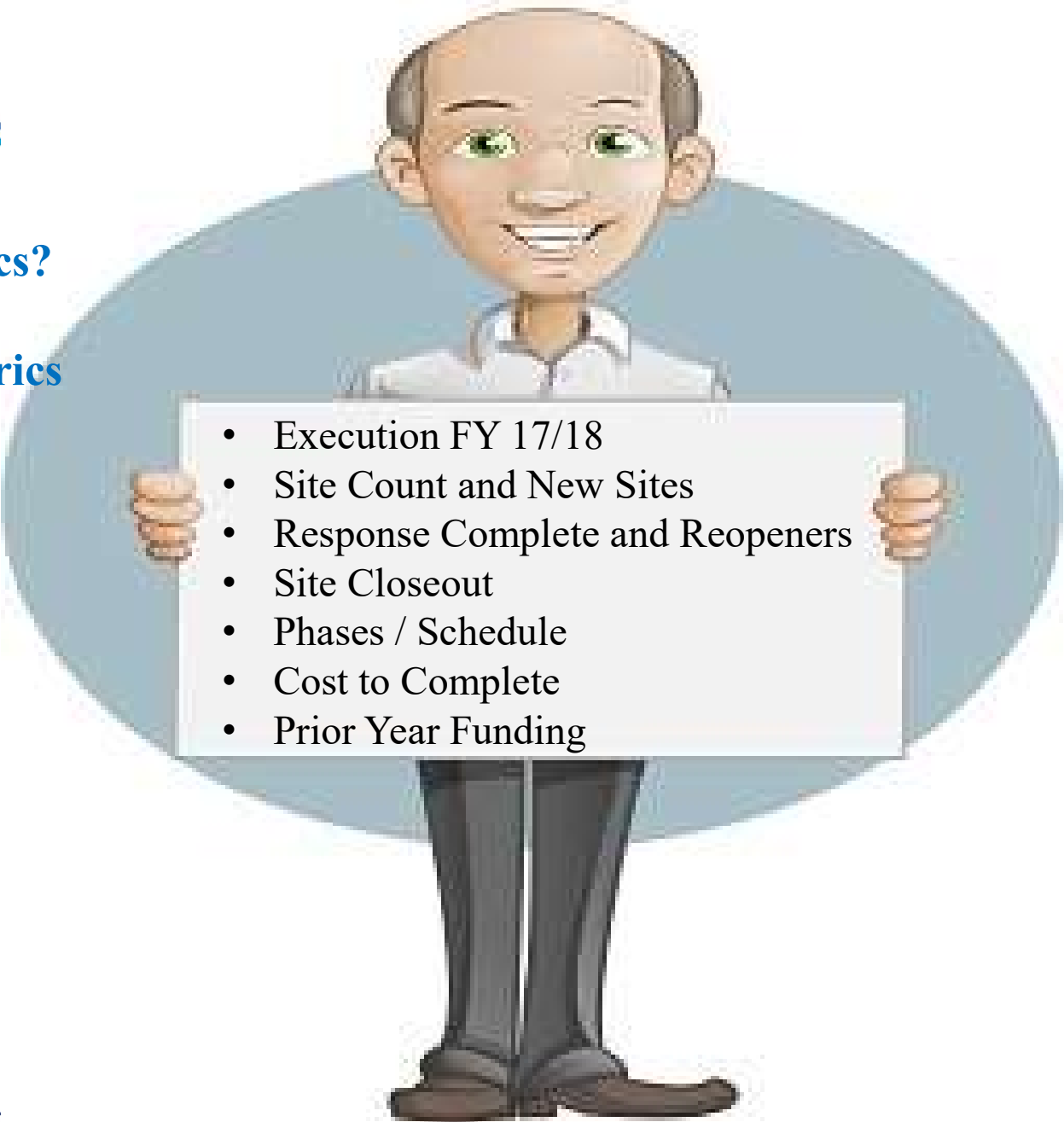
NAVFAC Environmental Restoration is the recognized Federal leader for responsive, best value, and sustainable remediation solutions.

March 2018

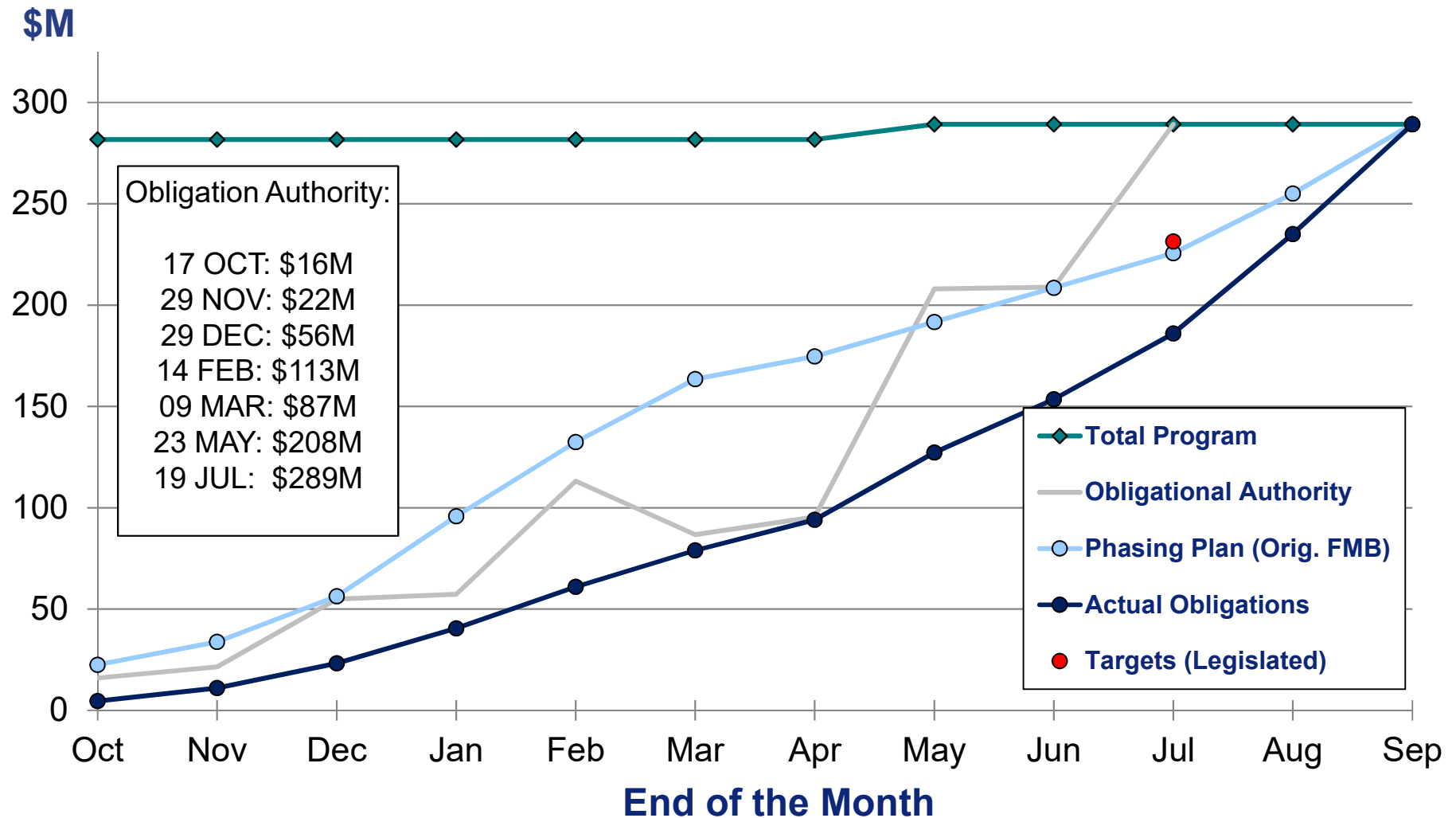
**Mr. Mario Dumenigo
ER,N Program Manager**

**What are the
program metrics?**

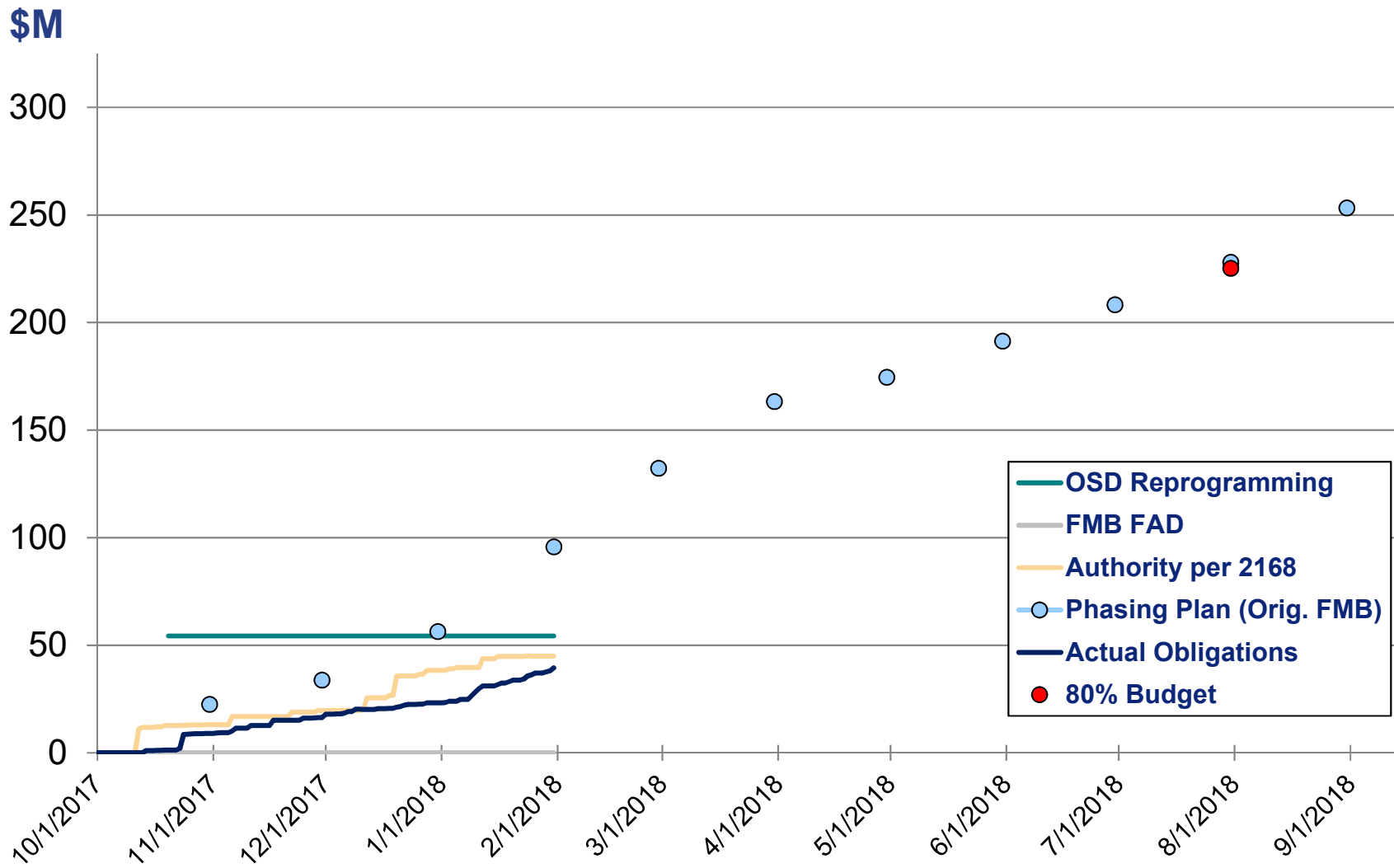
**Are all the metrics
the same?**

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- A cartoon illustration of a man with a balding head, green eyes, and a friendly smile. He is wearing a light blue button-down shirt and dark grey trousers. He is holding a large white rectangular sign in front of his chest with both hands. The sign contains a bulleted list of program metrics. The man is standing against a light blue oval background.
- Execution FY 17/18
 - Site Count and New Sites
 - Response Complete and Reopeners
 - Site Closeout
 - Phases / Schedule
 - Cost to Complete
 - Prior Year Funding

ER,N FY17 Monthly Obligations



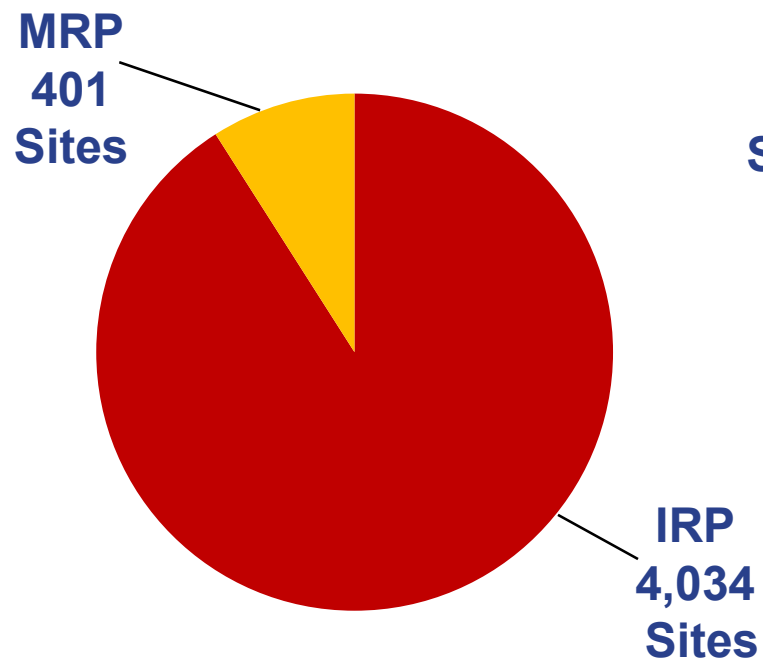
ER,N FY18 Execution – Total Program



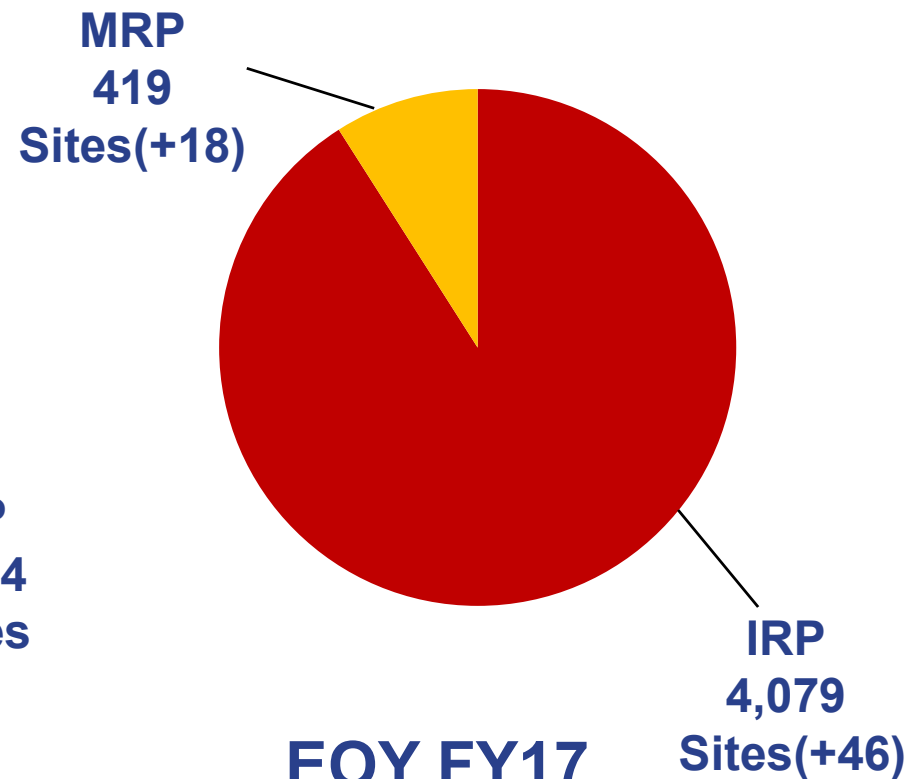
ER,N Site Count



TOTAL ER,N SITES = 4,498 (+64)



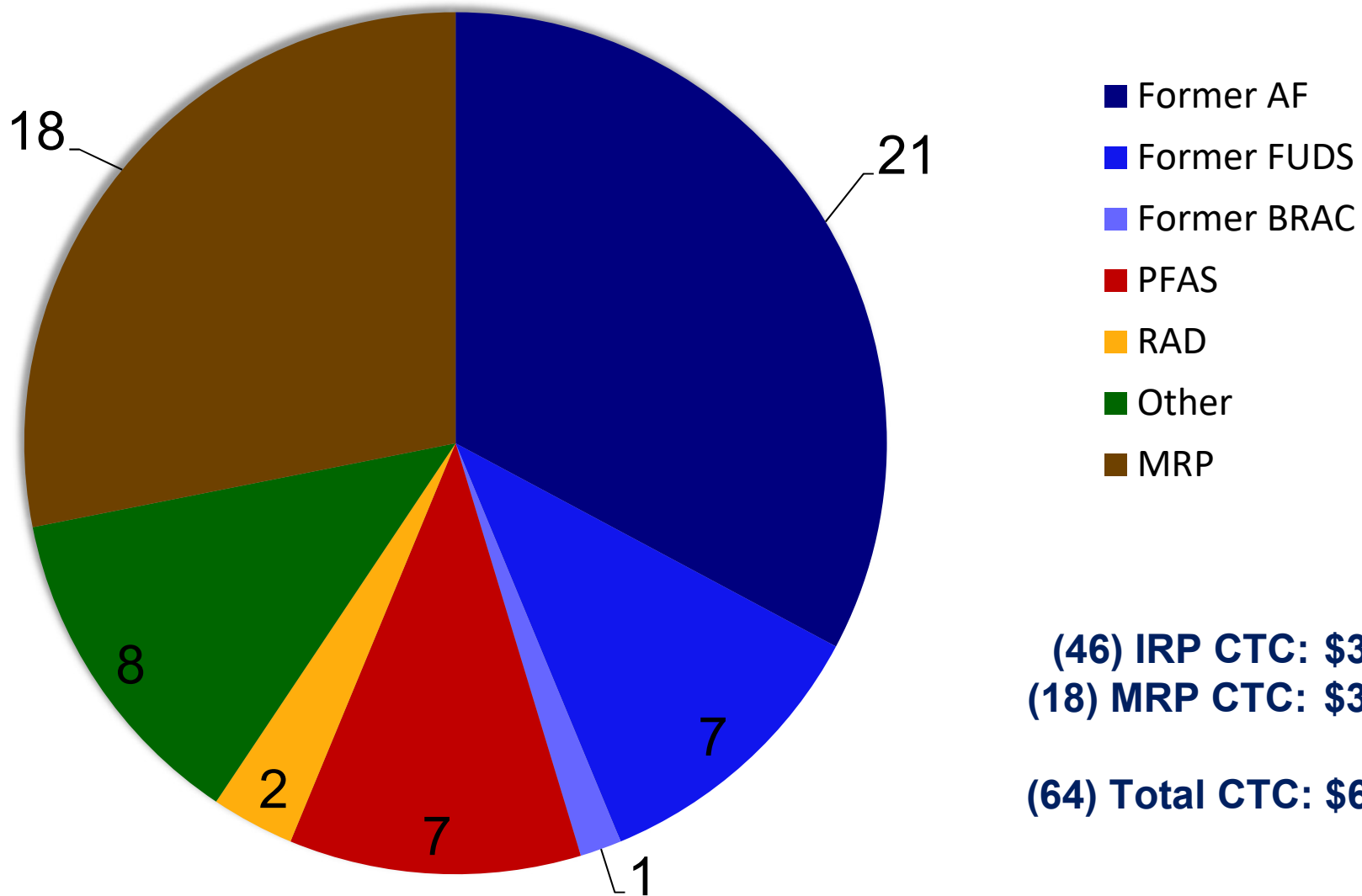
**EOY FY16
(4,435 Sites)**



**EOY FY17
(4,498 Sites)**

Projects Only

New Sites in FY17 (\$67.3M, 64 Sites)



(46) IRP CTC: \$32.8M

(18) MRP CTC: \$34.5M

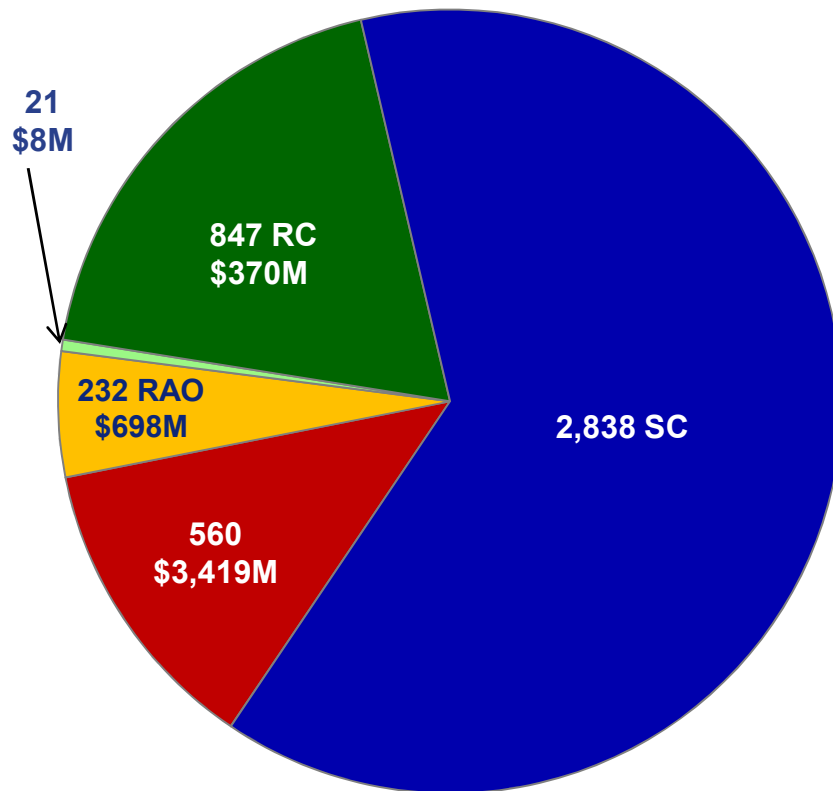
(64) Total CTC: \$67.3M

Snapshot of the ER,N Program (EOY 17)

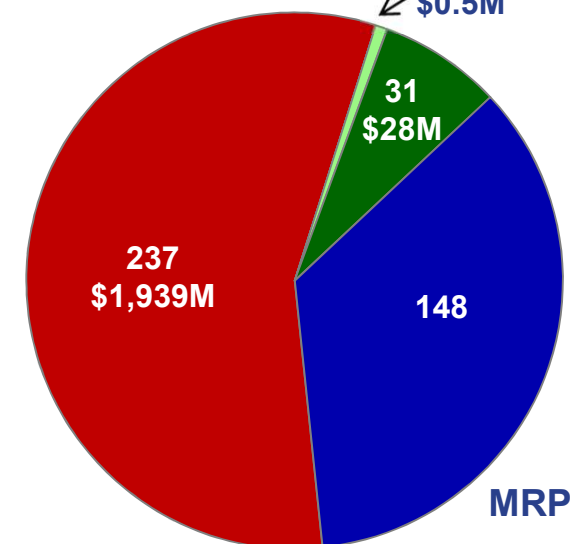
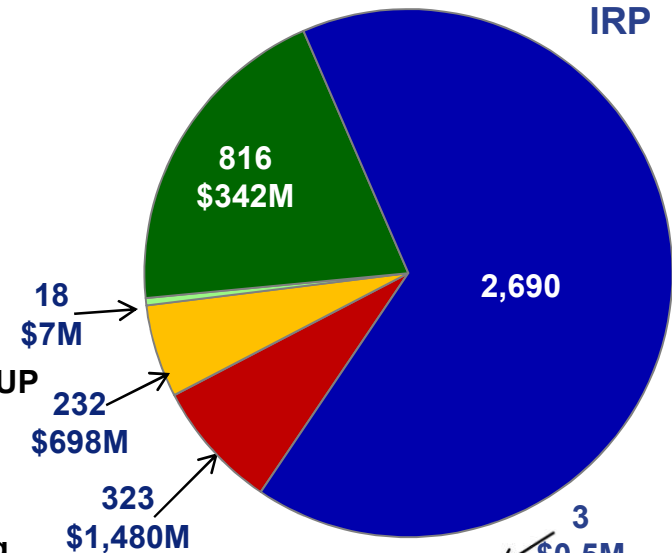


EOY FY2017

(# SITES)
(\$CTC)



- ACTIVE CLEANUP
- RAO
- RC Doc Pending
- RC
- SC



4,498 Sites (EOY16: 4,435 Sites)
RC: 3,685 (81.9%)

Projects Only

\$4,495M CTC = \$2,528M (IRP) + \$1,967M (MRP)

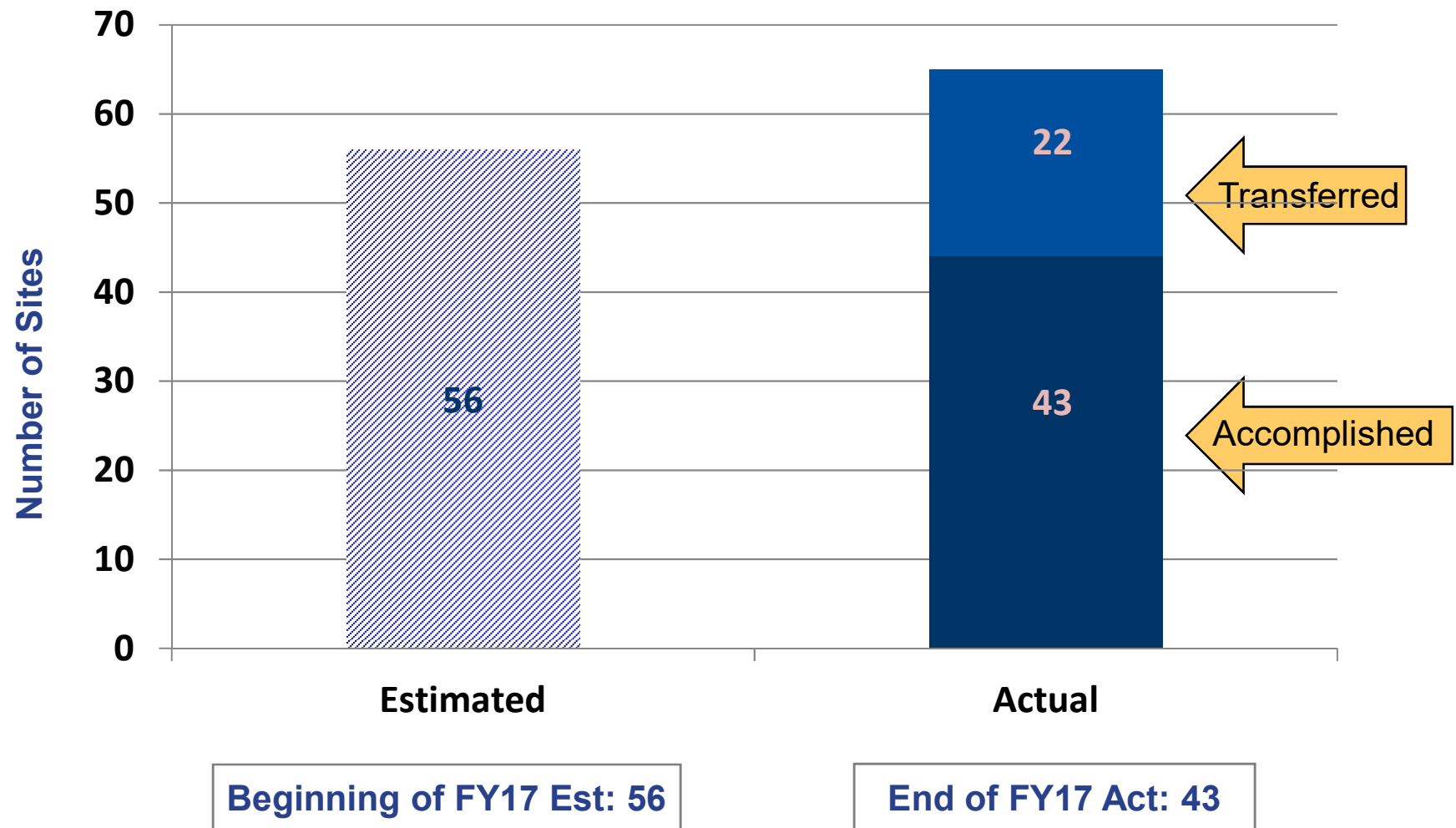
ER,N IRP/MRP Defense Management Goals



	<u>EOY 2017</u>	<u>PROJECTION</u>
TOTAL EOY18 - 90% of all sites RC	81.9%	83.1% (85.6%)
TOTAL EOY21 - 95% of all sites RC	81.9%	88.0% (89.6%)

***Percentages in parentheses are from EOY 2016**

ER,N IRP and MRP Sites Achieving RC

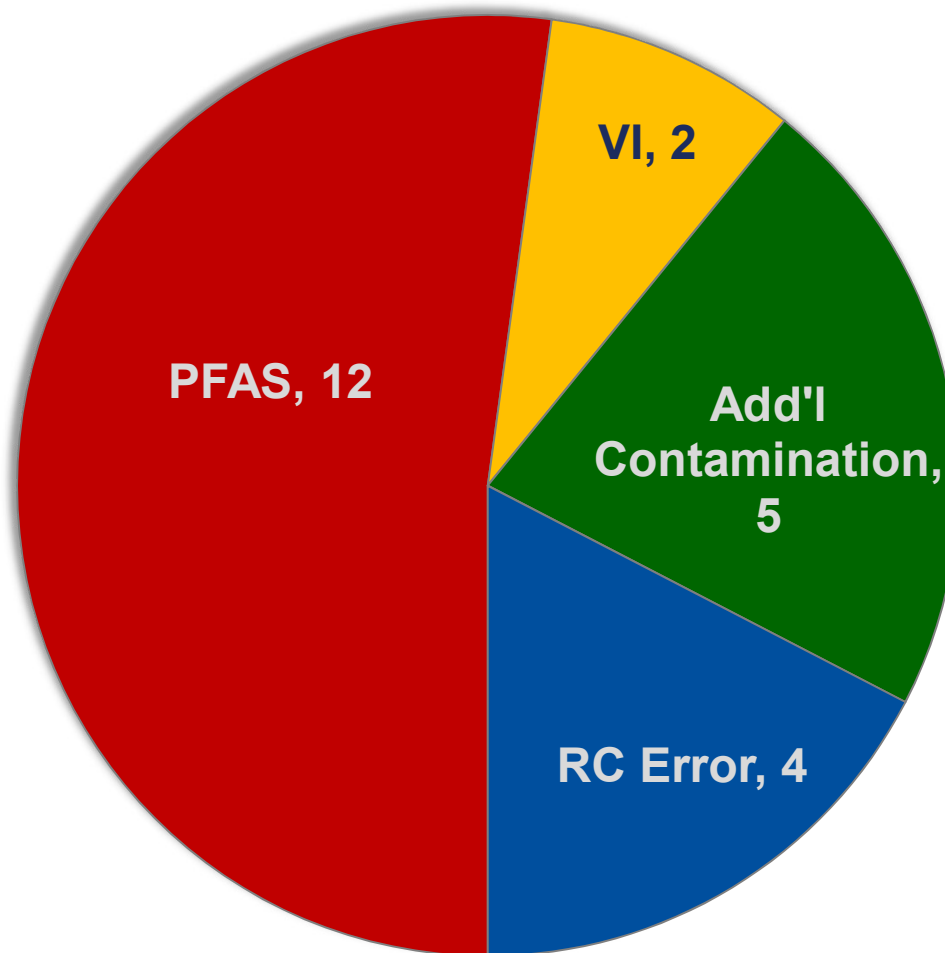


FY17 Program Accomplishments



- Achieved RC at 43 Sites at 29 Installations
- Completed 30 RODs/DDs for 36 Sites at 17 Installations
- Achieved SC at 262 Sites (30 in FY17)
- Completed 13 Five Year Reviews at 13 Installations
- Performed 81 projects in-house with a cost avoidance of \$1.12M
- Used competitive contract mechanisms with a potential cost avoidance of \$7.1M
- Performed Optimization at 21 sites with at actual cost avoidance of \$5.9M and a potential cost avoidance of \$24M
- Completed 3 GSR Evaluations
- Completed GPRA Metrics at 2 Installations
- Successfully use of new technologies:
 - Conveyor belt technology for scanning radiological material at North Island
 - Bioreactor for off-gas treatment of BTEX with 98% reduction at Whiting Field
 - Drones for field data acquisition at several sites

ER,N IRP and MRP RC Reopened Sites



23 Sites RC Reopened

Projects Only

New DoD SC Date Requirement



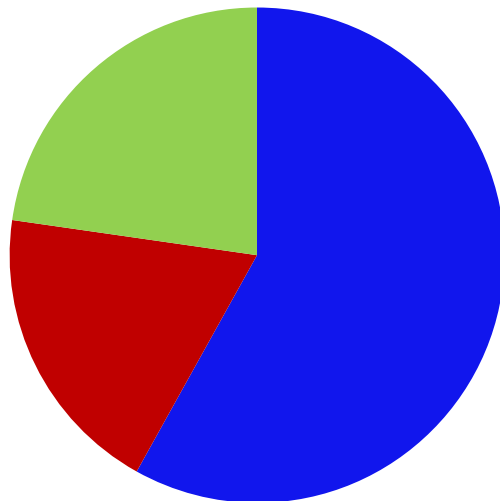
- **Site Closeout (SC) milestone is now required in the data submit to DoD**
- **SC is the ultimate goal of the program; previous metrics (RIP/RC later RC) have steered cleanup decisions that have an impact on reaching SC**
- **As of EOY16, over 1,000 ER,N sites lacked SC dates in NORM. Reviewing each of these sites and meeting this requirement was a complicated task for various reasons:**
 - RC and or SC still in future
 - RC based on PA/SI NFA
 - RC was reached and LTM was in place however no SC date was put in place to correspond with the end of LTM or perpetuity
 - RC was reached and no LTM was in place owing to some ambiguity regarding regulatory determination and UU/UE determination
 - Installation transfers
 - Other

New DoD SC Date Requirement (cont.)

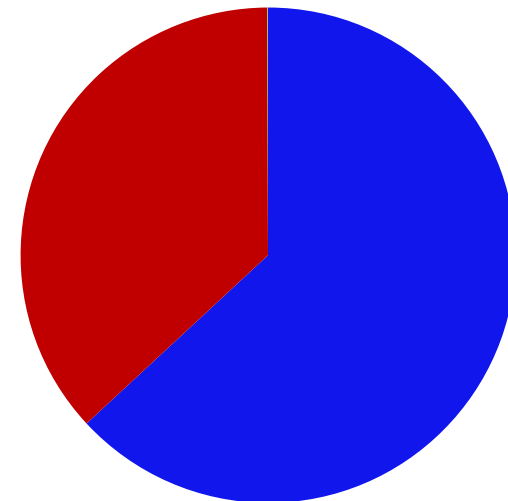


- Major effort to meet the DoD requirement; determining the SC date required a deep dive into “closure” documentation for all sites without SC dates
- The determination of SC dates in 2017 resulted in the net increase of sites in SC status by ~262 over EOY2016

EOY 2016 SCs

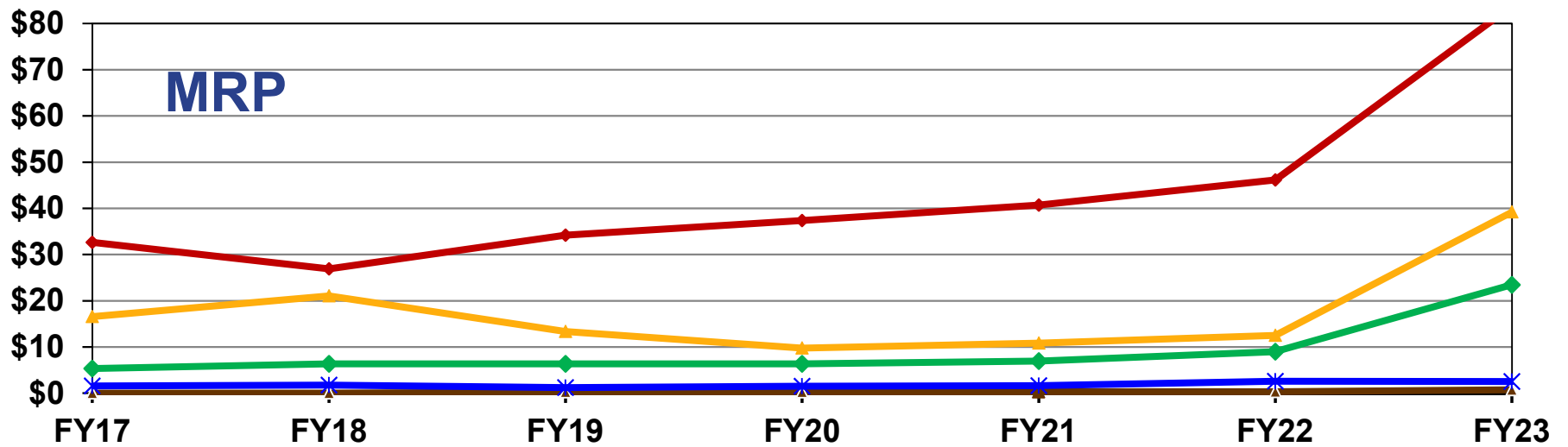
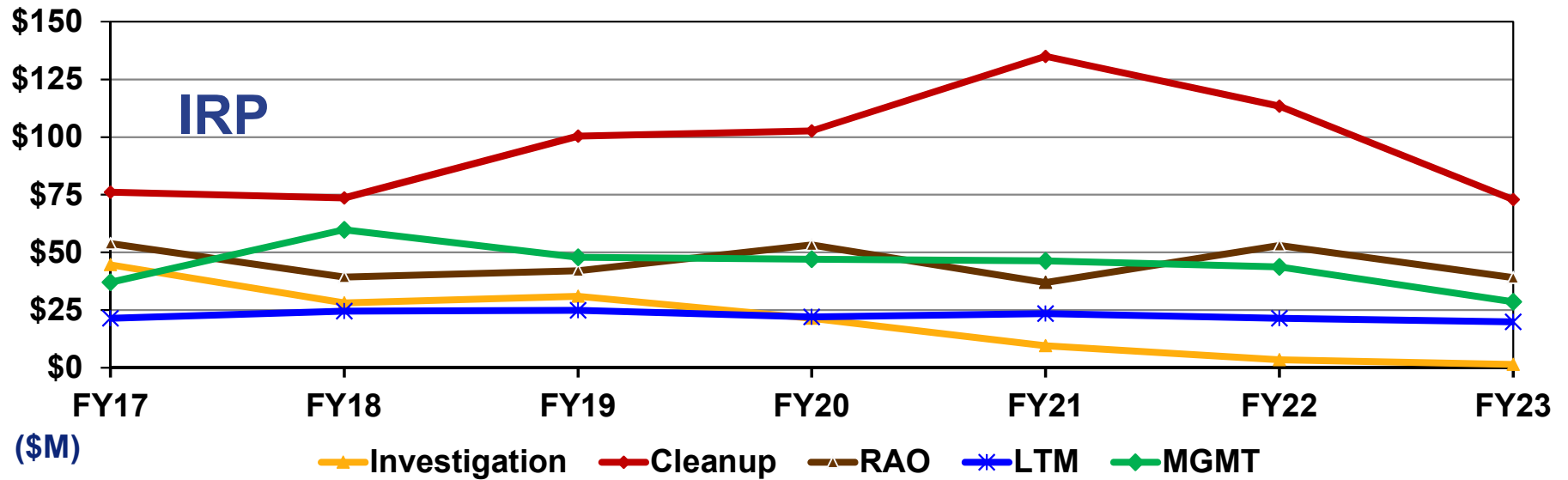


EOY 2017 SCs



■ SCs Actual
■ SCs Future
■ SCs Blank

ER,N Funding Profile



ER,N IRP Net CTC Calculation (\$M)



EOY2016 CTC	\$2.506B
Funds Obligated in FY17	- <u>\$196.0M</u>
Remaining FY16 CTC	\$2.310B

FY17 Changes to Remaining CTC:

FY17 Inflation (2.0%)	+\$46.5M
Perpetuity Sites Rolling RA-O/LTM	+\$38.0M
New Sites (46)	+\$32.8M
Project Cost Growth*	<u>+\$100.7M</u>
Total	+\$218.0M

EOY2017 CTC	\$2.528B
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Net Change (+/-) in CTC from EOY2016 to EOY2017 + \$22.0M

* See attached for CTC delta explanation

ER,N IRP CTC Increases



FY17 Changes to Remaining CTC:

FY17 Inflation (2.0%)	+\$46.5M
Perpetuity Sites Rolling RA-O/LTM	+\$38.0M
New Sites (46)	+\$32.8M
Project Cost Growth*	<u>+\$100.7M</u>
Total	<u>+\$218.0M</u>

*Project Cost Growth

PFAS	+\$60.7M
Vapor Intrusion (VI)	+\$18.0M
RAD	+\$3.7M
1,4 Dioxane	+\$5.9M
Other	+\$12.4M
Total	<u>\$100.7M</u>

* Inflation not included

Projects Only

ER,N MRP Net CTC Calculation (\$M)



EOY2016 CTC	\$1.922B
Funds Obligated in FY17	- <u>\$50.8M</u>
Remaining FY16 CTC	\$1.871B
<u>FY17 Changes to Remaining CTC:</u>	
FY17 Inflation (2.0%)	+\$37.5M
Perpetuity Sites Rolling LTM	+ \$2.5M
New Sites (18)	+\$34.5M
Project Cost Growth*	<u>+\$22.1M</u>
Total	+\$96.6M
EOY2017 CTC	\$1.967B
Net Change (+/-) in CTC from EOY2016 to EOY2017	+\$45.8M

* See attached for CTC delta explanation

Projects Only

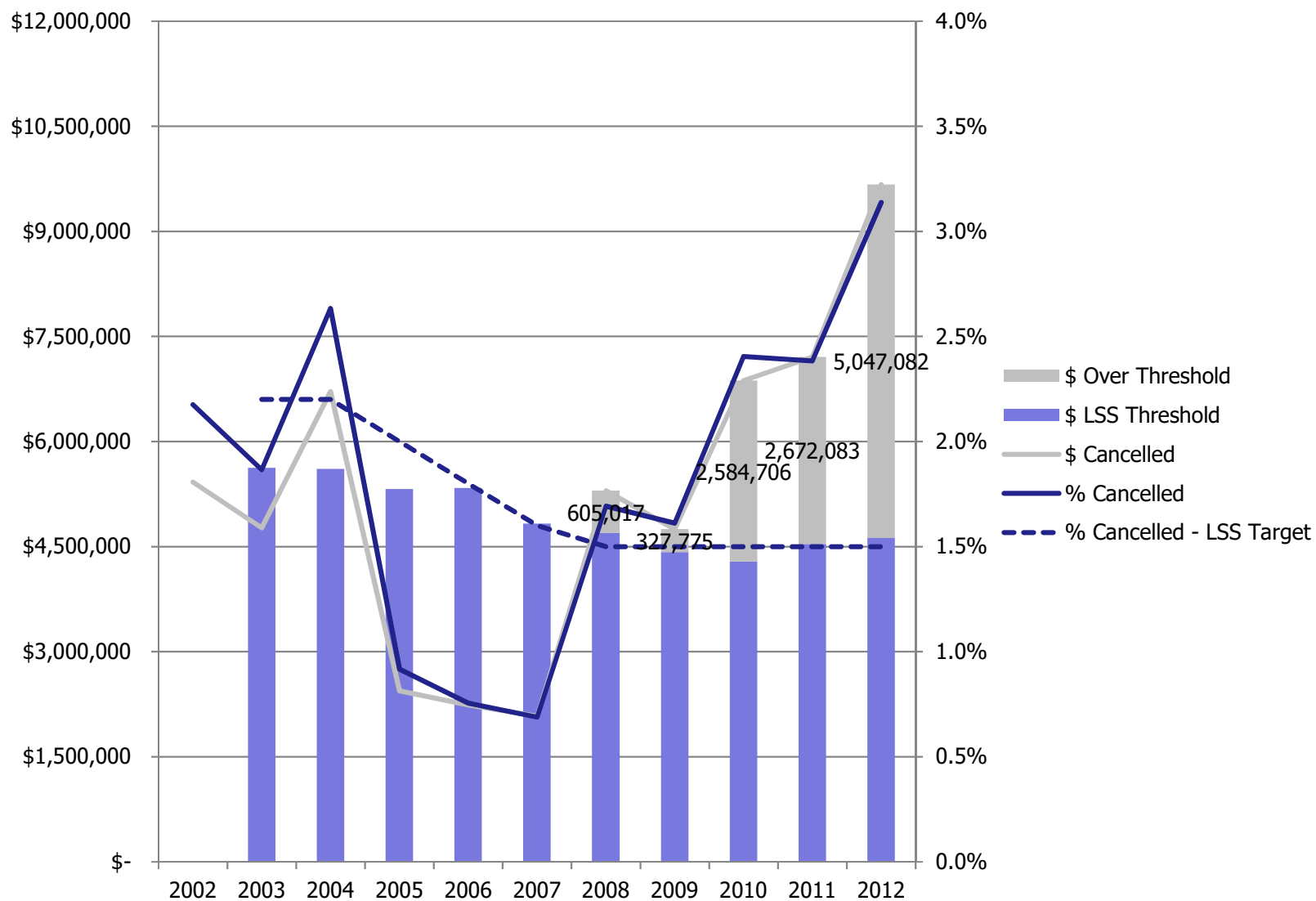
- **The Defense Environmental Restoration Account (DERA) was established by 10 USC 2703 as a transfer account.**
- **Each service decides the color they want the funding.**
 - **Historically all services request Operations and Maintenance (O&M) since it gives more flexibility**
 - **Once funding is changed to O&M it takes all characteristics of this funding:**
 - **Needs to be obligated the year of appropriation**
 - **Needs to be disbursed five years after it is appropriated**

Chronology of the Problem FY 12 Funds



Year	Authority (\$k)	Un-obligated (\$k)*	Un-liquidated (\$k)*
0	\$308,075	\$13	\$232,267
1	\$307,953	\$543	\$121,160
2	\$307,953	\$1,982	\$55,797
3	\$307,953	\$1,502	\$31,001
4	\$307,953	\$3,327	\$18,808
5	\$307,953	\$9,645	\$23

Chronology of the Problem



Unliquidated Obligations



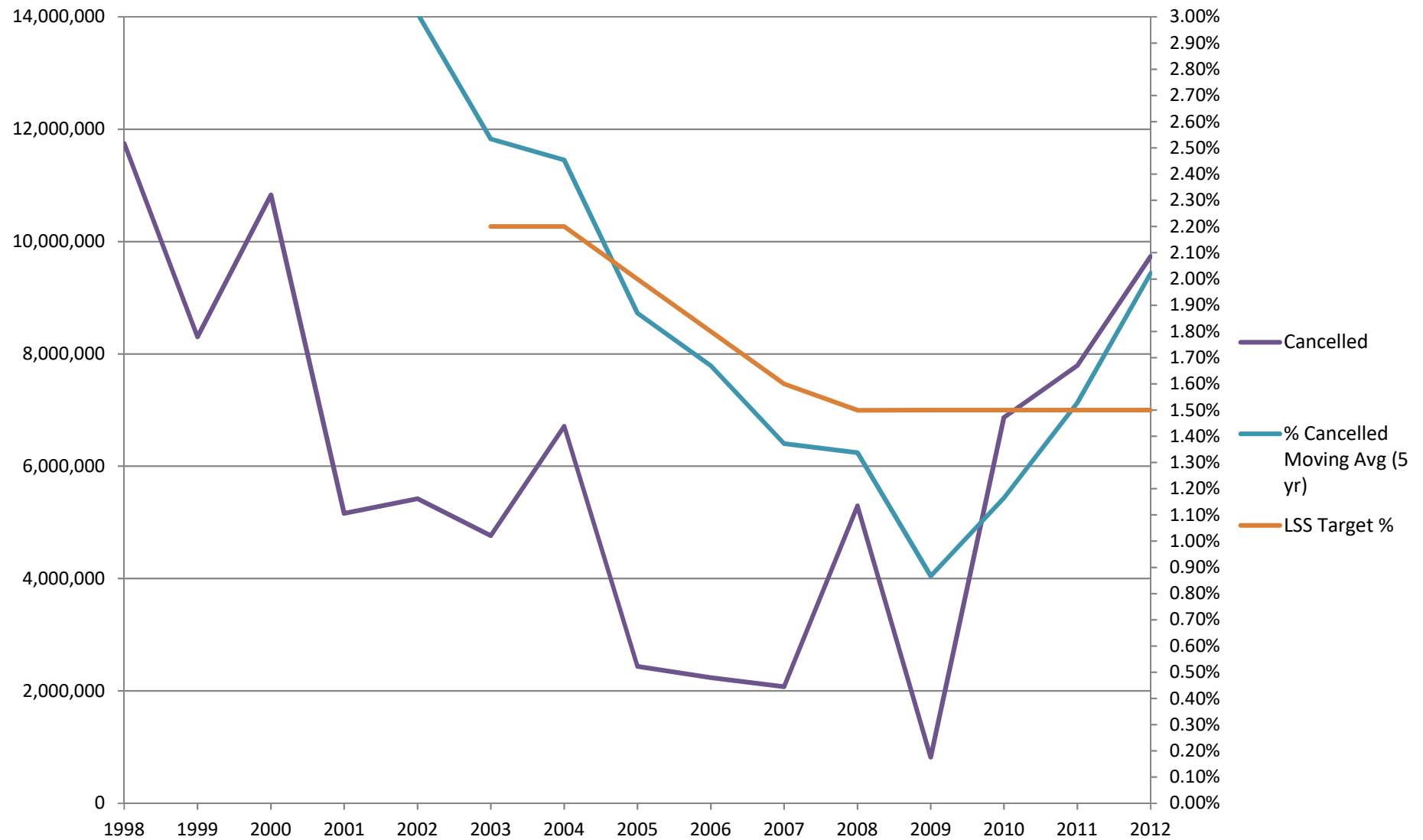
- LSS in 2008 with representatives from HQ and Ech III (EV, ACQ, FM and Legal)
- Team developed recommendations and metrics:
 - Agreed that program has too many unknowns and 1.5% unliquidated is acceptable for the program
 - Need to track Unliquidated Obligations. Concentrate on large ticket items (“worst offenders list)
 - Developed an RPM Checklist when transferring workload or RPM leaves
 - Developed and Execution Management Process

Execution Management Process Policy



- **Consider prior year funding issues during acquisition planning and Contract Task Order (CTO) Management**
 - Limit CTOS to 18 months or less whenever possible
 - Review open prior year CTOs and un-liquidated obligations
 - Ensure that current year de-obligations occur ASAP so other work can use available funds
 - Choose the right acquisition vehicle and approach – mod existing CTO or new CTO? (what works best to fully utilize funding?)
 - Evaluate assumptions & methodology for new work- right scope & cost
 - How to estimate for uncertain scope
 - Be conservative, we can always add more money; but, money obligated upfront will be lost if not needed

ER,N Funds Usage



What does that mean to the RPM?



- **Plan how to reach RC/SC for the site at the most cost effective cost**
- **Reflect data correctly in NORM and be able to defend your position**
- **Manage cost and explain changes**
- **Manage contract actions open at your installation and assure timely use of funds**
- **Plan new action for correct contract vehicle and never overestimate cost**

Questions?

